DERWENT-ACC-NO: 2002-555605

DERWENT-WEEK: 200259

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TITLE: Device for displaying caller id using led of portable
terminal

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PATENT-ASSIGNEE: LG INFORMATION & COMMUNICATIONS LTD[GLDS]

PRIORITY-DATA: 2000KR-0048150 (August 19, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2002014945 A	February 27, 2002	N/A	001	H04B 001/40

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2002014945A	N/A	2000KR-0048150	August 19, 2000

INT-CL (IPC): H04B001/40

ABSTRACTED-PUB-NO: KR2002014945A

BASIC-ABSTRACT:

NOVELTY - A device for displaying caller ID using an LED of a portable terminal
is provided to store many caller IDs to compare a received caller ID with one
of the stored caller IDs, and to display a designated LED with a designated
color if the two caller IDs are the same, so that a user can know the received
caller ID without opening a folder-type portable terminal.

DETAILED DESCRIPTION - If a receiving signal of a transceiver(51) calls a
portable terminal(50), an ID detector(60) extracts and detects a caller ID. A
user of the portable terminal(50) inputs and stores many caller IDs in an ID
storage(62). An ID comparator(64) compares the received caller ID with one of

the stored caller IDs to decide whether the two caller IDs are the same. If
so, the ID comparator(64) reads a signal loaded with information such as an
LED, a color, and the number of light emitting times designated by the caller
ID, and outputs the read signal. An LED signal controller(66) analyzes and
processes the signal to select or assign an LED. If the selected LED selects a
color, the LED signal controller(66) analyzes the selected number of light
emitting times to output as a corresponding control signal. A caller
display(68) is composed of many LEDs for emitting light as many as the selected
number of light emitting times with the selected color, by the control signal.
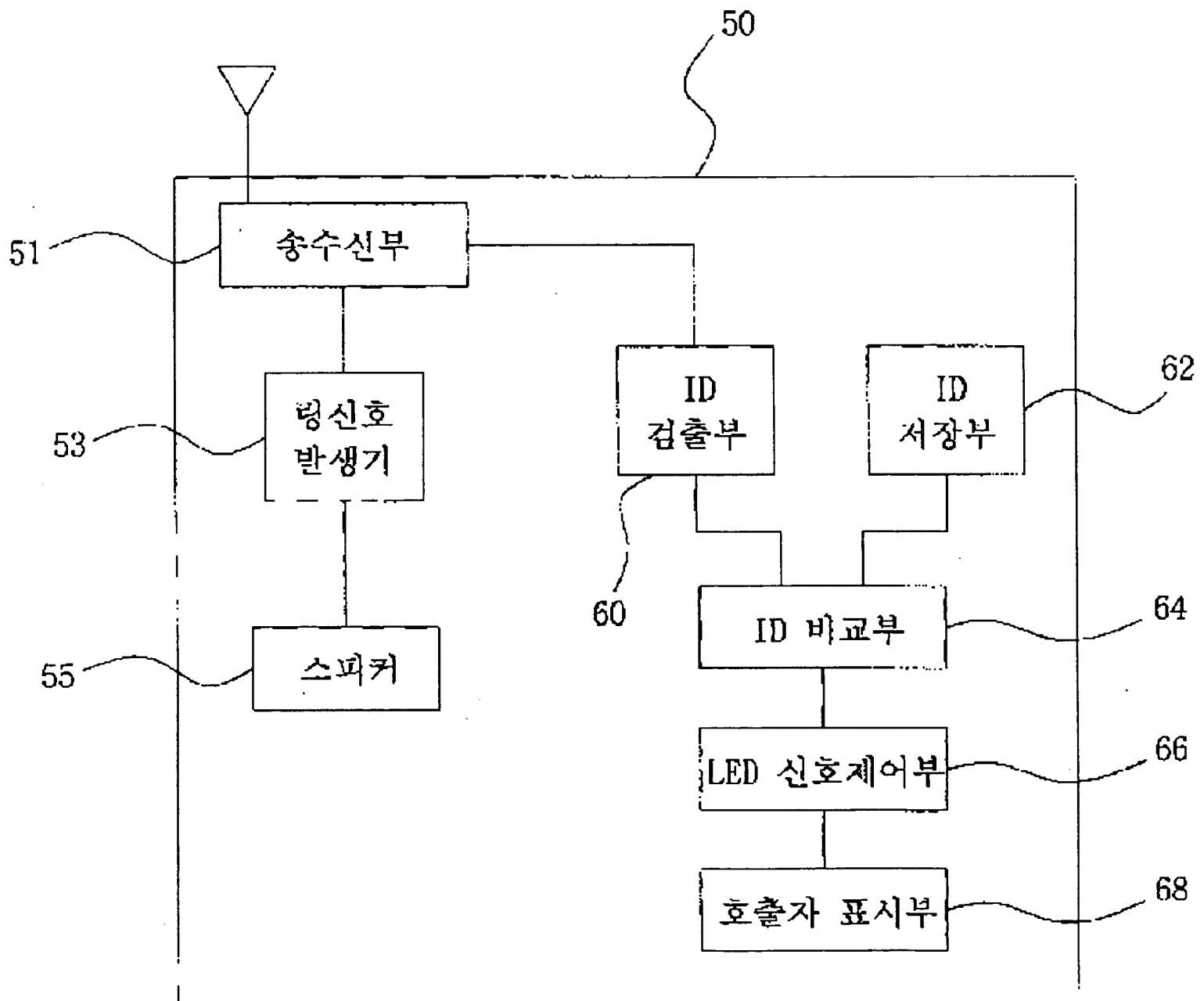
CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: DEVICE DISPLAY CALL ID LED PORTABLE TERMINAL

DERWENT-CLASS: W02

EPI-CODES: W02-G02;

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51 송수신부

53 링신호 발생기

55 스피커

60 ID 검출부

62 ID 저장부

64 ID 비교부

66 LED 신호제어부

68 호출자 표시부